

The Hawaii Limited Access Longline Logbook Summary Report

January to December 2017¹

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The following tables represent preliminary summaries of effort, retained catch (kept) and discards (released) as reported on longline log sheets for the Hawaii-permitted longline fishery. To satisfy confidentiality and RFMO reporting standards, data from the West coast-permitted fishery is also included in this report. Effort and catch statistics are summarized from logbook data submitted to the PIFSC, FRMD and are based on date of longline haul. The statistics are generated from Oracle table HICA20180209 RFMO 5x5 NON CONF; database extraction was done on 14 February 2018. When a statistic (number of vessels, trips) can involve dates of haul in two summary periods (i.e. years, semi-annual or quarters) the item is counted in both summary periods. Thus, a vessel or trip total is for "partial or completed" vessel or trip summary. As such, these are not additive statistics (i.e. sum of four quarters is not the total for the year, etc.).

¹ PIFSC Data Report DR-18-007

Table 1. Annual summary report of fishing effort and catch statistics for U.S. longline permitted vessels in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch and effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2017
Set Types All Sets
Fishing Area All Areas

Number of vessels active	145
Number of trips (partial or completed)	1,563
Number of sets	20,437
Number of hooks set	54,040,310

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	8,043	8,007	36	0.15
Striped marlin	13,154	12,949	205	0.24
Shortbill spearfish	20,694	20,522	172	0.38
Swordfish	18,847	17,480	1,367	0.35
Other billfishes	566	560	6	0.01
Total	61,304	59,518	1,786	1.13
Shark PMUS				
Blue shark	95,127	0	95,127	1.76
Mako sharks	5,466	858	4,608	0.10
Thresher sharks	7,193	41	7,152	0.13
Oceanic whitetip shark	557	0	557	0.01
Silky shark	250	1	249	0.00
Other Sharks	728	2	726	0.01
Total	109,321	902	108,419	2.02
Tuna PMUS				
Albacore	4,358	4,308	50	0.08
Bigeye tuna	223,430	219,314	4,116	4.13
Yellowfin tuna	79,832	78,171	1,661	1.48
Bluefin tuna	14	12	2	0.00
Skipjack tuna	26,215	25,634	581	0.49
Other tunas	0	0	0	0.00
Total	333,849	327,439	6,410	6.18
Other PMUS				
Mahimahi	47,288	46,906	382	0.88
Moonfish	25,069	24,901	168	0.46
Wahoo	25,233	25,106	127	0.47
Oilfish	18,845	16,420	2,425	0.35
Pomfret	67,176	66,824	352	1.24
Total	183,611	180,157	3,454	3.40
Total PMUS	688,085	568,016	120,069	12.73
Total Non-PMUS	4,085	444	3,641	0.08
Total All Species	692,170	568,460	123,710	12.81

Table 2. Annual summary report of fishing effort and catch statistics for U.S. longline permitted vessels in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch and effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2017
Set Types All Sets
Fishing Area Hawaiian Islands EEZ + PRIA EEZ

Number of vessels active	134
Number of trips (partial or completed)	688
Number of sets	4,870
Number of hooks set	12,958,789

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	2,311	2,303	8	0.18
Striped marlin	4,250	4,226	24	0.33
Shortbill spearfish	5,497	5,479	18	0.42
Swordfish	1,591	1,473	118	0.12
Other billfishes	199	199	0	0.02
Total	13,848	13,680	168	1.07
Shark PMUS				
Blue shark	25,577	0	25,577	1.97
Mako sharks	956	155	801	0.07
Thresher sharks	1,109	16	1,093	0.09
Oceanic whitetip shark	232	0	232	0.02
Silky shark	97	0	97	0.01
Other Sharks	320	0	320	0.02
Total	28,291	171	28,120	2.18
Tuna PMUS				
Albacore	275	275	0	0.02
Bigeye tuna	51,725	50,856	869	3.99
Yellowfin tuna	23,933	23,407	526	1.85
Bluefin tuna	0	0	0	0.00
Skipjack tuna	6,783	6,694	89	0.52
Other tunas	0	0	0	0.00
Total	82,716	81,232	1,484	6.38
Other PMUS				
Mahimahi	8,845	8,766	79	0.68
Moonfish	1,781	1,776	5	0.14
Wahoo	5,103	5,088	15	0.39
Oilfish	4,262	3,707	555	0.33
Pomfret	12,619	12,563	56	0.97
Total	32,610	31,900	710	2.52
Total PMUS	157,465	126,983	30,482	12.15
Total Non-PMUS	454	250	204	0.04
Total All Species	157,919	127,233	30,686	12.19

Table 3. Annual summary report of fishing effort and catch statistics for U.S. longline permitted vessels in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch and effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2017
Set Types All Sets
Fishing Area Outside U.S. EEZ

Number of vessels active	145
Number of trips (partial or completed)	1,344
Number of sets	15,567
Number of hooks set	41,081,521

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	5,732	5,704	28	0.14
Striped marlin	8,904	8,723	181	0.22
Shortbill spearfish	15,197	15,043	154	0.37
Swordfish	17,256	16,007	1,249	0.42
Other billfishes	367	361	6	0.01
Total	47,456	45,838	1,618	1.16
Shark PMUS				
Blue shark	69,550	0	69,550	1.69
Mako sharks	4,510	703	3,807	0.11
Thresher sharks	6,084	25	6,059	0.15
Oceanic whitetip shark	325	0	325	0.01
Silky shark	153	1	152	0.00
Other Sharks	408	2	406	0.01
Total	81,030	731	80,299	1.97
Tuna PMUS				
Albacore	4,083	4,033	50	0.10
Bigeye tuna	171,705	168,458	3,247	4.18
Yellowfin tuna	55,899	54,764	1,135	1.36
Bluefin tuna	14	12	2	0.00
Skipjack tuna	19,432	18,940	492	0.47
Other tunas	0	0	0	0.00
Total	251,133	246,207	4,926	6.11
Other PMUS				
Mahimahi	38,443	38,140	303	0.94
Moonfish	23,288	23,125	163	0.57
Wahoo	20,130	20,018	112	0.49
Oilfish	14,583	12,713	1,870	0.35
Pomfret	54,557	54,261	296	1.33
Total	151,001	148,257	2,744	3.68
Total PMUS	530,620	441,033	89,587	12.92
Total Non-PMUS	3,631	194	3,437	0.09
Total All Species	534,251	441,227	93,024	13.00

Table 4. Annual summary report of fishing effort and catch statistics for U.S. longline permitted vessels in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch and effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2017
Set Types Shallow sets
Fishing Area All Areas

Number of vessels active	18
Number of trips (partial or completed)	61
Number of sets	949
Number of hooks set	1,027,013

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	58	54	4	0.06
Striped marlin	409	338	71	0.40
Shortbill spearfish	158	148	10	0.15
Swordfish	13,340	12,288	1,052	12.99
Other billfishes	19	17	2	0.02
Total	13,984	12,845	1,139	13.62
Shark PMUS				
Blue shark	9,239	0	9,239	9.00
Mako sharks	1,080	262	818	1.05
Thresher sharks	73	2	71	0.07
Oceanic whitetip shark	22	0	22	0.02
Silky shark	7	0	7	0.01
Other Sharks	5	0	5	0.00
Total	10,426	264	10,162	10.15
Tuna PMUS				
Albacore	257	228	29	0.25
Bigeye tuna	1,451	1,285	166	1.41
Yellowfin tuna	1,487	1,404	83	1.45
Bluefin tuna	1	1	0	0.00
Skipjack tuna	78	78	0	0.08
Other tunas	0	0	0	0.00
Total	3,274	2,996	278	3.19
Other PMUS				
Mahimahi	1,293	1,254	39	1.26
Moonfish	412	365	47	0.40
Wahoo	74	74	0	0.07
Oilfish	744	414	330	0.72
Pomfret	27	21	6	0.03
Total	2,550	2,128	422	2.48
Total PMUS	30,234	18,233	12,001	29.44
Total Non-PMUS	15	8	7	0.01
Total All Species	30,249	18,241	12,008	29.45

Table 5. Annual summary report of fishing effort and catch statistics for U.S. longline permitted vessels in Hawaii and California, as derived from NMFS Western Pacific Daily Longline Fishing Log records. Catch and effort statistics are based on date of longline haul. Data Source: PIFSC Information Management System, Longline Logbook Data.

Report Coverage

Time Period 1 January - 31 December, 2017
Set Types Deep sets
Fishing Area All Areas

Number of vessels active	145
Number of trips (partial or completed)	1,502
Number of sets	19,488
Number of hooks set	53,013,297

Pelagic Management Unit Species (PMUS)	Number Caught	Number Kept	Number Released	CPUE Number Caught per 1000 Hooks
PMUS				
Billfish PMUS				
Blue marlin	7,985	7,953	32	0.15
Striped marlin	12,745	12,611	134	0.24
Shortbill spearfish	20,536	20,374	162	0.39
Swordfish	5,507	5,192	315	0.10
Other billfishes	547	543	4	0.01
Total	47,320	46,673	647	0.89
Shark PMUS				
Blue shark	85,888	0	85,888	1.62
Mako sharks	4,386	596	3,790	0.08
Thresher sharks	7,120	39	7,081	0.13
Oceanic whitetip shark	535	0	535	0.01
Silky shark	243	1	242	0.00
Other Sharks	723	2	721	0.01
Total	98,895	638	98,257	1.87
Tuna PMUS				
Albacore	4,101	4,080	21	0.08
Bigeye tuna	221,979	218,029	3,950	4.19
Yellowfin tuna	78,345	76,767	1,578	1.48
Bluefin tuna	13	11	2	0.00
Skipjack tuna	26,137	25,556	581	0.49
Other tunas	0	0	0	0.00
Total	330,575	324,443	6,132	6.24
Other PMUS				
Mahimahi	45,995	45,652	343	0.87
Moonfish	24,657	24,536	121	0.47
Wahoo	25,159	25,032	127	0.47
Oilfish	18,101	16,006	2,095	0.34
Pomfret	67,149	66,803	346	1.27
Total	181,061	178,029	3,032	3.42
Total PMUS	657,851	549,783	108,068	12.41
Total Non-PMUS	4,070	436	3,634	0.08
Total All Species	661,921	550,219	111,702	12.49

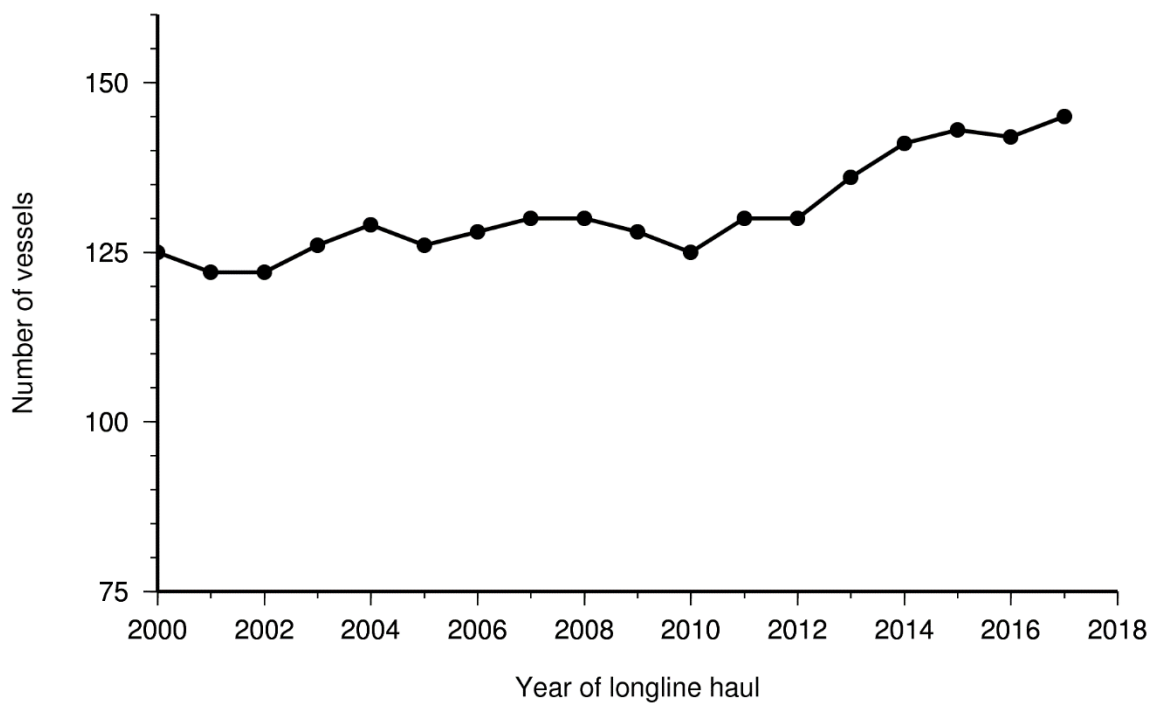


Figure 1. Number of active longline vessels based in Hawaii and California, by year, 2000-2017.

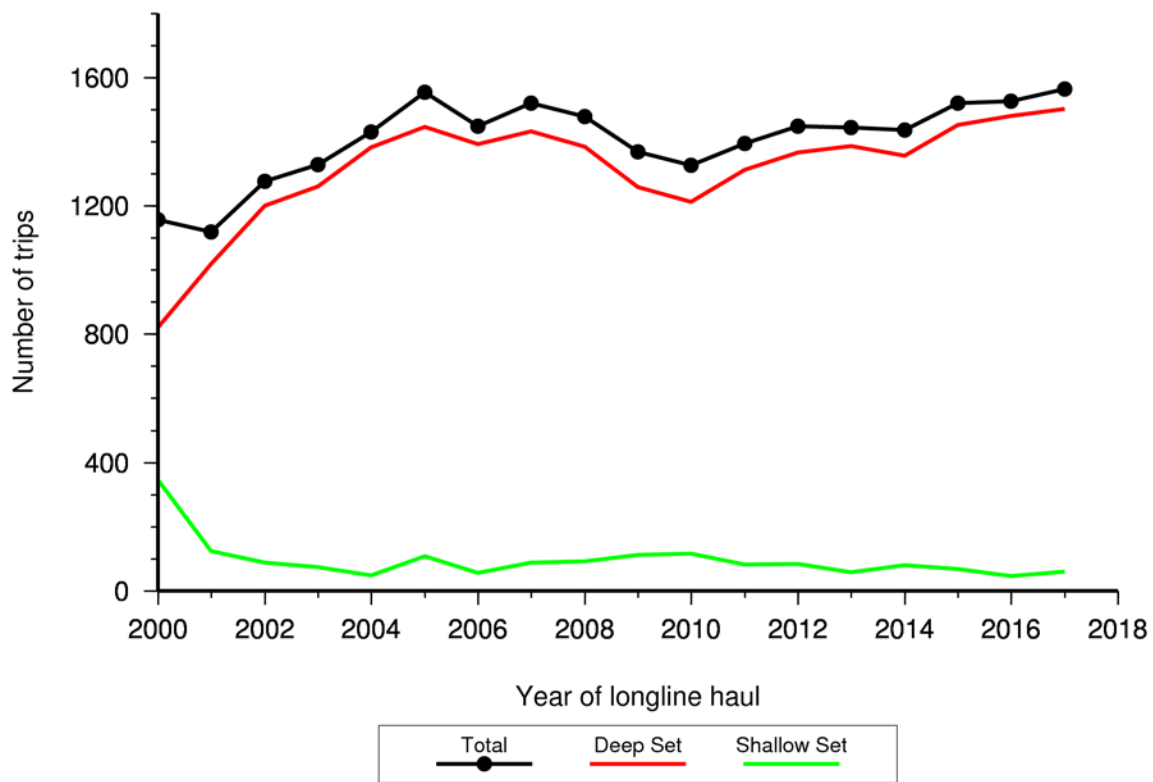


Figure 2. Number of fishing trips by longline vessels based in Hawaii and California, by year and set type, 2000-2017.

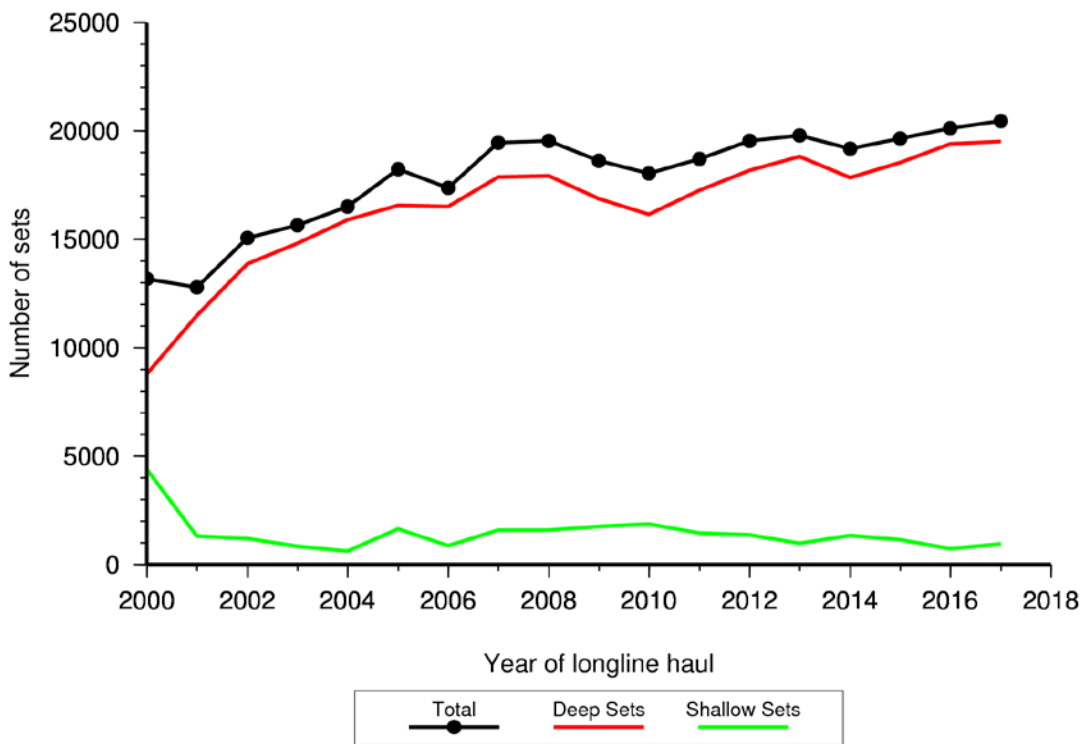


Figure 3. Number of fishing sets by longline vessels based in Hawaii and California, by year and set type, 2000-2017.

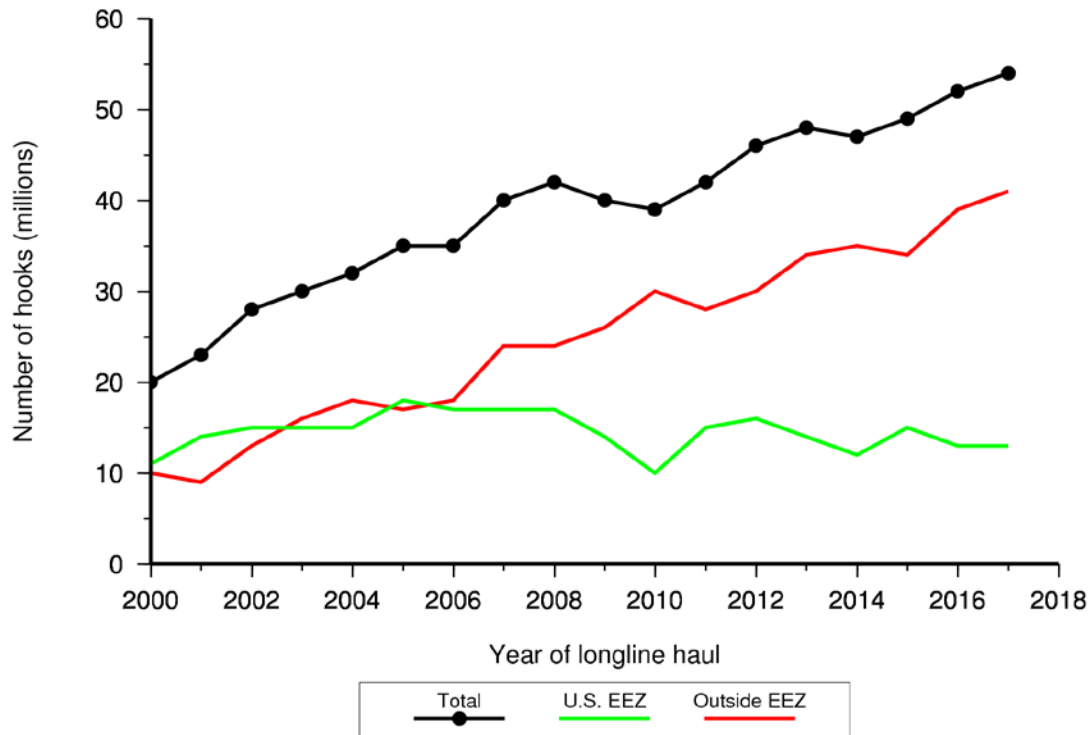


Figure 4. Number of hooks in millions, set by longline vessels based in Hawaii and California, by year and fishing area, 2000-2017.

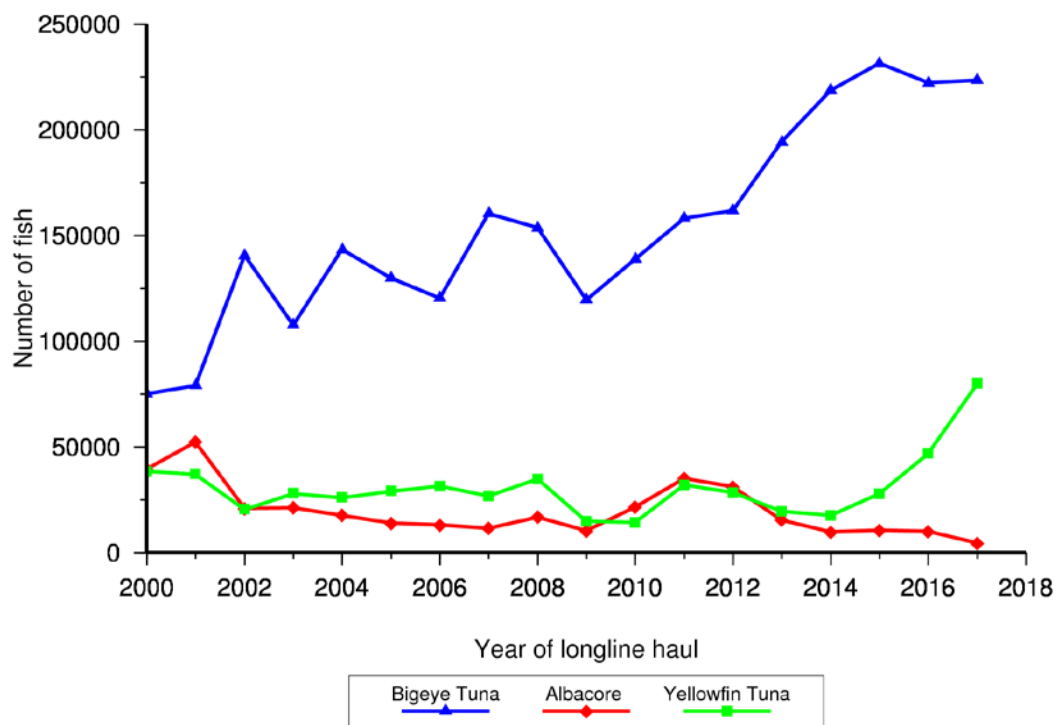


Figure 5. Annual catch (kept + released) of albacore, bigeye tuna, and yellowfin tuna by longline vessels based in Hawaii and California, by year, 2000-2017.

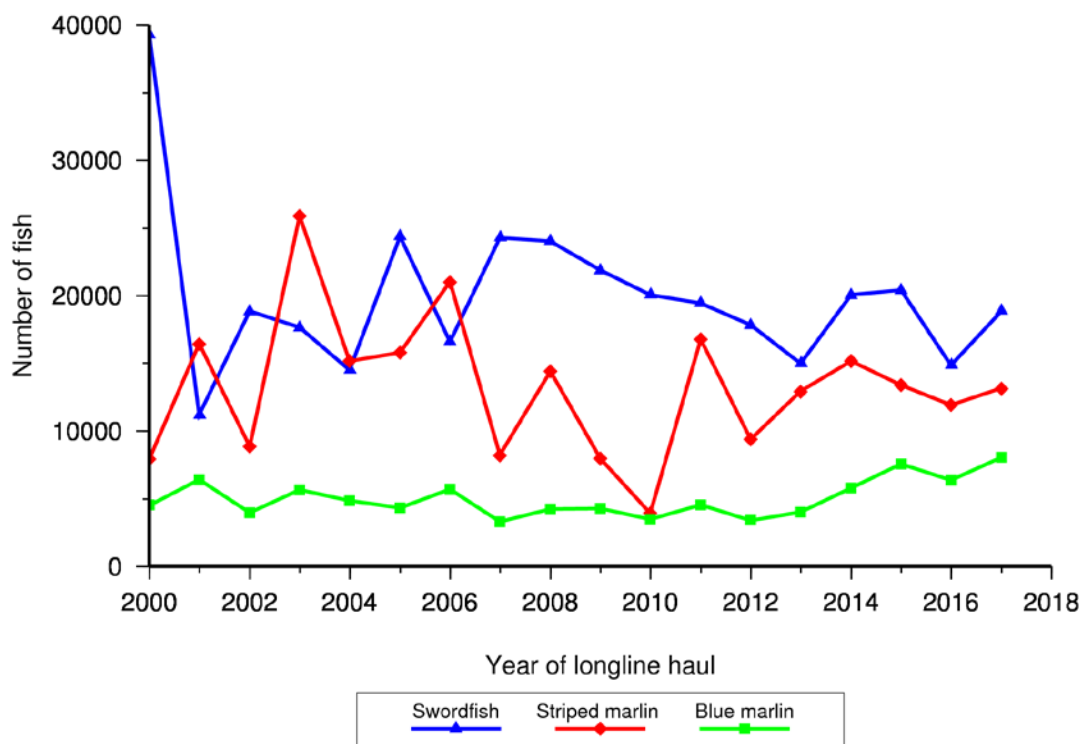


Figure 6. Annual catch (kept + released) of blue marlin, striped marlin, and swordfish by longline vessels based in Hawaii and California, by year, 2000-2017.

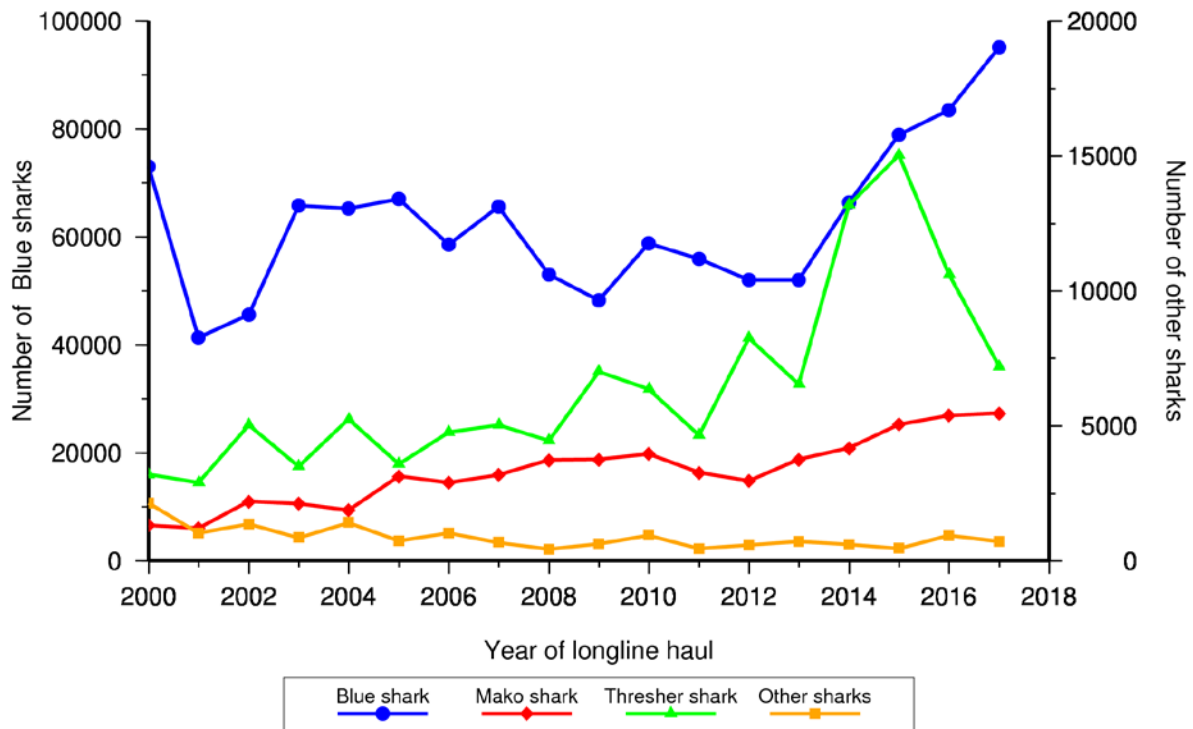


Figure 7. Annual catch (kept + released) of blue shark, mako shark, thresher shark, and other sharks by longline vessels based in Hawaii and California, 2000-2017.

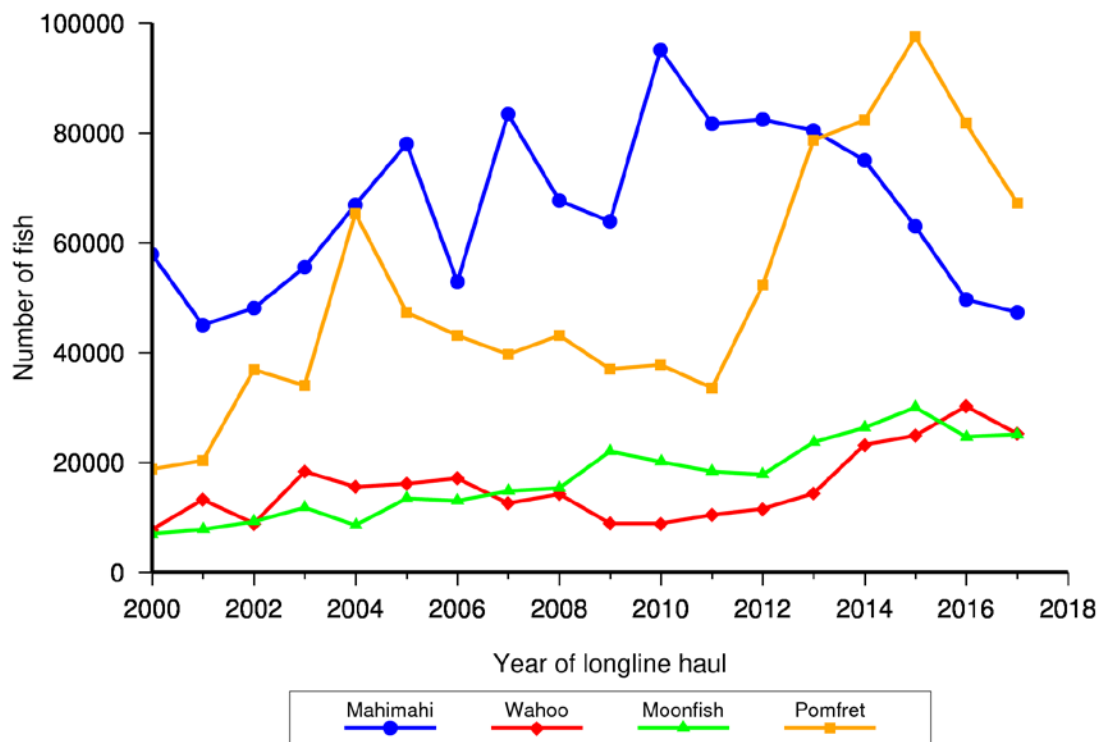


Figure 8. Annual catch (kept + released) of mahimahi, moonfish, pomfret, and wahoo by longline vessels based in Hawaii and California, 2000-2017.